BROOKHAVEN
NATIONAL LABORATORY

2007 Brookhaven National Laboratory Elementary School Science Fair Rules

1. The Brookhaven National Laboratory (BNL) Elementary School Science Fair is open to students in grades K-6 representing schools throughout Suffolk County. The Fair will be held on **Saturday, May 5, 2007**. Entrants or their representatives must bring their projects to BNL between 9:00 and 10:45 a.m. on the day of the Fair.

2. Only one project per grade level per school may be entered. However, if a school has 200 to 399 students enrolled at one grade level, two projects may be entered for that grade; if a school has over 400 students enrolled at one grade level, three projects may be entered at that grade level.

3. Projects from grades 4, 5, and 6 must be the work of individual students. Projects from grades K, 1, 2, and 3 may be the result of efforts of individual students or teams of students. All students entering a group project must be on the same grade level, and the group size is limited to one class. AM and PM kindergarten sessions taught by one teacher may be considered as one class. The project must clearly reflect the students' own efforts. If adult support is given, it should be acknowledged on the display.

4. The School Contact Person will submit names of entrants chosen to represent their school using our on-line registration form which can be linked from our web site (http://www.bnl.gov/education/contests/scienceFair/). This form must be submitted to BNL no later than **April 20, 2006**. **Late entries cannot be accepted**. Each registered entrant will receive a registration number, a summary of project form, and an informational letter. This **information will be sent by e-mail to the designated School Contact Person** who will be responsible for their distribution to the students involved.

5. Project Requirements

   - All projects must be durable and safe. Moveable parts must be firmly attached.

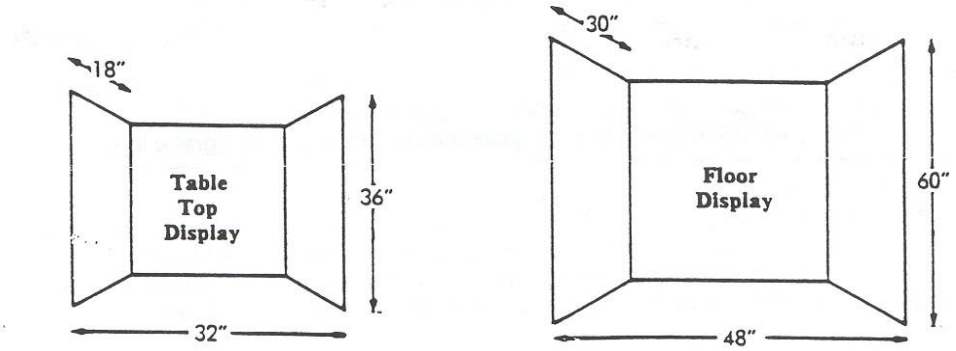
   - BNL will not provide facilities or outlets for electricity, running water, drainage, gas or compressed air. Dangerous chemicals, open flames and explosives may not be exhibited.

   - Live animals may be a part of your experiment but may not be harmed in any way. Live animals cannot be exhibited at the BNL Science Fair, but photographs are acceptable.

- Any project deemed to be unsafe or inhumane in any way will not be displayed at the BNL Science Fair and will not be judged.

- Projects must follow the scientific method.

- Tabletop projects must be no larger than 18 inches deep (front to back) by 32 inches wide (side to side) and no higher than 3 feet above the top surface of the table. Floor displays must be no larger than 30 inches deep (front to back) by 48 inches wide (side to side) and no higher than 5 feet. Both tabletop and floor displays must be freestanding and stable, because no backing or rear display board of any kind will be provided. It is suggested, but not required, that entrants construct displays like a miniature stage with three sides.



Examples of project size and format:

- **Nothing on the project may identify the child, child's gender or school. This is including, but not limited to, photos, journals, labels or titles. Photos and journals are encouraged providing they do not identify the student.**

- **Pictures: Students participating in the BNL Fair may have their pictures taken and displayed in our publications.**

- Each project must include a completed Summary of Project form prominently displayed with the project. The form included in this packet, must be signed by a school official (teacher, principal, or science coordinator) who will interview the student and certify that the student completed the work and has a thorough understanding of the project. Registration numbers will be assigned after the school submits their entrants' information.

6. Students will not be present during judging. Any project having moving parts must either run continuously or have a "start" mechanism that can be easily activated by a judge.

7. Please see the Judges' Rubric for criteria that will be used in judging the projects. The scientific method is a pattern of inquiry that forms a structure for advancing scientific understanding. The process: identify a problem, form a hypothesis, design and conduct an experiment, collect data, analyze results, and form a conclusion. Scientists, using this approach, have answered questions ranging from the simplest to the most complex.

8. Exhibitors or their representatives are responsible for setting up and removing their displays on the day of the Fair. BNL is not responsible for any projects not collected upon completion of the ceremonies on the day of the Fair.

Any project that does not meet these requirements will not be considered for awards.

All decisions of the judges are final.